

Notice of Allowability	Application No.	Applicant(s)	
	10/656,512	AWAKURA ET AL.	
	Examiner	Art Unit	
	Tuan T Dinh	2841	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS**. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 10/25/04.
2. The allowed claim(s) is/are 19,23-39 (renumber claims are 1-17).
3. The drawings filed on 05 September 2003 are accepted by the Examiner.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of
 Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
 Paper No./Mail Date _____.
4. Examiner's Comment Regarding Requirement for Deposit
 of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
 Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Bradley N. Ruben (Reg. No. 32,058) on 11/19/04.

The application has been amended as follows: to overcome the references cited.

Cancel claim 29 without prejudice.

Claims 19, 31-32, 35-36, and 38-39 would be amended such as below:

For claim 19:

19. (Currently amended.) A wiring board, comprising:

a board of at least one layer comprising a conductor part, said conductor part comprising-signal line conductor patterns and having a ground part that is either a ground surface or has ground patterns deployed on one surface of said board. An entire surface of said ground part being covered with a magnetic thin film,

wherein said magnetic thin film is configured of a magnetic loss material represented by M-X-Y, where M is at least one of Fe, Co and Ni, Y is at least one of F, N and O, and X is at least one element other than M or Y: said magnetic loss material has a maximum value μ''_{\max} of loss factor μ'' that is imaginary component in complex

permeability of said magnetic loss material existing within a frequency range of 100 MHz to 10 GHz; said magnetic loss is a broad-band magnetic loss material having a relative bandwidth bwr not smaller than 150% where the relative bandwidth bwr [[is]] obtained by extracting a frequency bandwidth between two frequencies at which the value of μ'' is 50% of the maximum μ''_{max} and normalizing the frequency bandwidth at the center frequency thereof; and

 said magnetic thin film[[s]] deployed at least on pad of said board or said conductor part.

Claim 31, lines 1-2, "The wiring board according to claim 29" should be –The wiring board according to claim 19—because claim 29 is cancel, see explained as above.

For claim 32:

32. (Currently amended.) ~~The wiring board according to claim 19~~ A wiring board, comprising:

a board of at least one layer comprising a conductor part, said conductor part comprising-signal line conductor patterns and having a ground part that is either a ground surface or has ground patterns deployed on one surface of said board, an entire surface of said ground part being covered with a magnetic thin film, wherein said magnetic thin film is configured of a magnetic loss material represented by M-X-Y, where M is at least one of Fe, Co and Ni, Y is at least one of F, N and O, and X is at least one element other than M or Y: said magnetic loss

material has a maximum value μ''_{\max} of loss factor μ'' that is imaginary component in complex permeability of said magnetic loss material existing within a frequency range of 100 MHz to 10 GHz;

wherein said magnetic loss material is a narrow band magnetic loss material having a relative bandwidth bwr not greater than 200% where the relative bandwidth bwr is obtained by extracting a frequency bandwidth between two frequencies at which the value of μ'' is 50% of the maximum μ'_{\max} and normalizing the frequency bandwidth at the center frequency thereof.

Claim 33, lines 1-2, "The wiring board according to claim 19" should be –The wiring board according to claim 32--.

Claim 35, lines 1-2, "The wiring board according to claim 19" should be –The wiring board according to claim 32--.

Claim 36, lines 1-2, "The wiring board according to claim 19" should be –The wiring board according to claim 32--.

Claim 38, lines 1-2, "The wiring board according to claim 19" should be –The wiring board according to claim 32--.

Claim 39, lines 1-2, "The wiring board according to claim 19" should be –The wiring board according to claim 32--.

Allowable Subject Matter

2. Claims 19, 23-28, and 30-39 are allowed (renumber claims are 1-17).

The following is an examiner's statement of reasons for allowance: the references cited disclose a wiring board comprising a conductor part, the conductor part having signal line conductor patterns and a ground part, the surface of the ground part being covered with a magnetic thin film, the magnetic thin film is configured of a magnetic loss material represented by M-X-Y material, and some other claimed elements. However, they do not disclose or render obvious in combination of the magnetic loss material is a broad or narrow band magnetic loss material having a relative bandwidth bwr not greater than 150% or 200% respectively, where the relative bandwidth bwr is obtained by extracting a frequency bandwidth between two frequencies at which the value of μ'' is 50% of the maximum μ''_{max} and normalizing the frequency bandwidth at the center frequency thereof.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T Dinh whose telephone number is 571-272-1929. The examiner can normally be reached on M-F.

Art Unit: 2841

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kammie Cuneo can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan Dinh
November 19, 2004.



KAMAND CUNEO
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800